Que! Drive™

Owner's Manual

QPS Technical Support

Our Customer Support staff are ready to assist you with any problem you may have with your QPS Product.

There are many ways to contact QPS Technical Support.

E-Mail:	techsupport@qps-inc.com
World Wide Web:	http://www.qps-inc.com
Technical Support:	(714) 692-3588
Technical FAX:	(714) 692-5516

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Table of Contents

Thank You for Choosing the Que! Drive....1

Chapter 1.

Welcome to the CD-Recording World....3
What Can the Que! Drive Do for Me? 3
Package List....4

Chapter 2.

Getting Started....5
What You Should Have!....6
What about software?....7

Chapter 3.

Getting Plugged In....9
Setting the SCSI ID....11
SCSI Bus Termination....11
Getting It All Set Up 12
Optional SCSI Card Installation 13
And Now for the Software....14

Chapter 4.

Media Insertion and Removal 15
Handling Guidelines....17

Chapter 5.

Trouble Shooting Guidelines and Performance Tips....19

Appendix A

Glossary of Terms....25

Appendix B

FCC Compliance....29

Appendix C

Limited Warranty 31

Notes!

Thank You

for Choosing QPS!

Congratulations on your purchase of the Que! CD-ReWritable/ Recordable Drive. In this manual, you'll find information designed to help you understand the capability of your new drive as well as a step-by-step explanation of how to install your hardware and software.

Notes!

Chapter One

Welcome to the CD-Recording World!

If you're new to CD-Recording, don't worry; it's easy to learn. The Que! Drive allows you to store massive amounts of data on one CD. You can fit as much data found on 450 floppies or on one CD-R or CD-RW media. Plus, it allows you to record audio, and audio/video applications.

In this chapter, we'll tell you more about the features and uses of the CD-Recording technology.

What Can the Que! Drive Do for Me?

With the Que! Drive, you have lots of flexibility and a multitude of options. For instance, you can:

1. "Drag and Drop" up to 450 times the volume of a floppy disk onto one removable inexpensive piece of media that can be used over and over again.

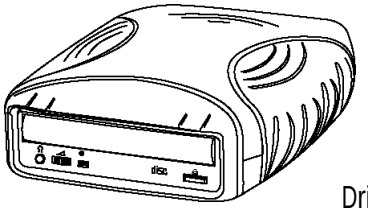
2. Read data and play audio CDs.

3. Use the Que! Drive to create your own audio CDs, or to rearrange or extract tracks from different artists or labels onto your own CD.

4. Copy or create data CDs that can be read on any CD-ROM or DVD-ROM drive.

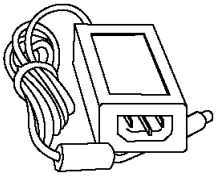
5. Use the Que! Drive as a superior alternative to tape for backup or disaster recovery.

Package List

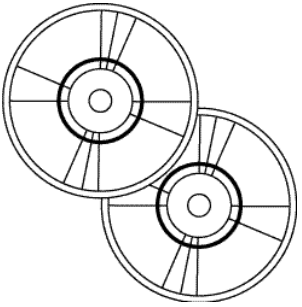


Drive

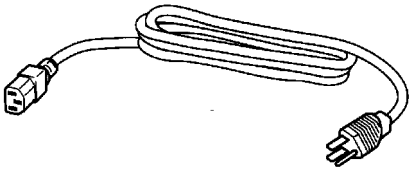
Software



Universal Power Supply Adapter

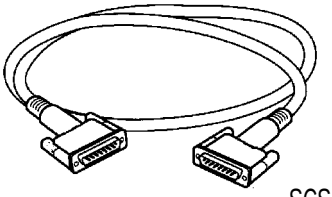


CD-R and/or CD-RW Media

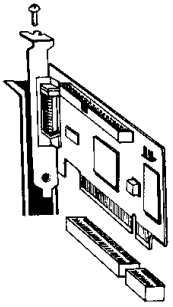


Power Cable

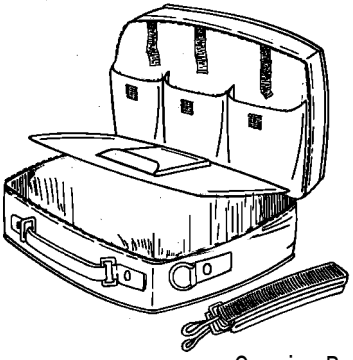
Installation Manual



SCSI Cable



SCSI Controller (Optional)



Carrying Bag & Strip

Chapter Two

Getting Started!

Before you start using your Que! Drive, you'll want to make sure you have everything you need. In this chapter, we'll tell you what comes in the package, so you can make sure it's all there. In this chapter we'll tell you about the minimum requirements your system needs to support the Que! Drive.

Once you're sure you have everything you need, you can proceed to the next chapter, where we'll show you how to install your hardware and software. The section on hardware installation explains how to connect the Que! CD ReWritable/Recordable Drive to your computer. The software installation section briefly discusses the procedures for installing each of the software applications that were provided with your drive.

As with anything you buy, there are always a few simple guidelines to observe when using the product. With CD-Recording products, this primarily involves the care and handling of CD-Recordable/CD-Rewritable media. These guidelines are provided in the chapter following installation.

The last chapter, Troubleshooting Guidelines and Performance Tips, is provided for the few folks who want to know more about how the Que! Drive works, or who had difficulty with installation. Refer to this chapter before contacting Technical Support — the answer to your questions just might be there!

Getting Started

What You Should Have!

- What's in the package

Refer to the provided package list on page 4 and verify that you have received all of the appropriate parts.

Okay, if all the right parts were in the package, then you just need to make sure your system will support the Que! Drive. Here's what you'll need.

For PC User:

Minimum system requirements:

- Pentium" 100 MHz Intel-compatible processor or better
- MS Windows 95; Windows® NT 4.0
- 32MB RAM
- 15MB free hard disk space for software installation
- 100MB free hard disk space
- SCSI-2 bus mastering adapter card

For Mac User:

Minimum system requirements:

- Macintosh 68040 processor or better
- System 7.5.5
- 32MB RAM
- 15MB free hard disk space for software
- 100MB free hard disk space for disk cache
- SCSI interface

What About Software?

The Que! Drive comes with a variety of software applications that will help you get the most from your drive.

PC users should install these applications:

- Easy CD Creator by Adaptec
- Direct CD

Make CDs Right on Your Desktop. Using Adaptec Easy Creator software, you can copy files from your computer to a Recordable compact disc. Using a special write-once media, Adaptec Easy CD Creator allows you to permanently store data in format that is readable on virtually all CD-R, CD-ROM and DVD-ROM drives. In addition, the audio CDs you create with your CD recorder are playable in your home or car CD player. If you are using a CD-ReWritable drive, you also have the option of using a special erasable media that allows you to rewrite information on a CD.

Using easy CD Creator you can:

- Compile CDs of your favorite music
- Archive data
- Back up a hard drive
- Disseminate information to field offices
- Distribute databases
- Create a test copy of a multimedia CD
- Duplicate CDs
- Erase and rewrite the contents on a CD (with CD-RW drives)
- Make a custom jewel case insert
- Direct CD by Adaptec. This utility software provides drive letter access, which allows you to drag and drop files between media just as you would for a floppy disk. Because it's so easy to use, it's ideal for archiving data.

For the Macintosh, you'll find these applications:

- Toast software for Macintosh by Adaptec. With this CD mastering software, you'll be able to make your own CDs in the most popular formats, that can be read on CD-R, CD-RW, CD-ROM and DVD-ROM drives.

Using Toast Software you can:

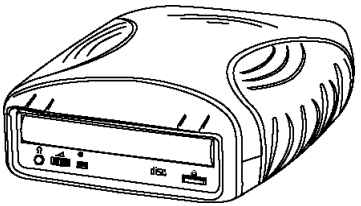
- Compile CDs of your favorite music
- Archive data
- Back up a hard drive
- Disseminate information to field offices
- Distribute databases
- Create a test copy of a multimedia CD
- Duplicate CDs
- Erase and rewrite the contents on a CD (with CD-RW drives)
- Make a custom jewel case insert

- Direct CD by Adaptec . This utility provides drive letter access, which allows you to drag and drop files between media just as you would for a floppy disk. Because it's so easy to use, it's ideal for archiving data.

Chapter Three

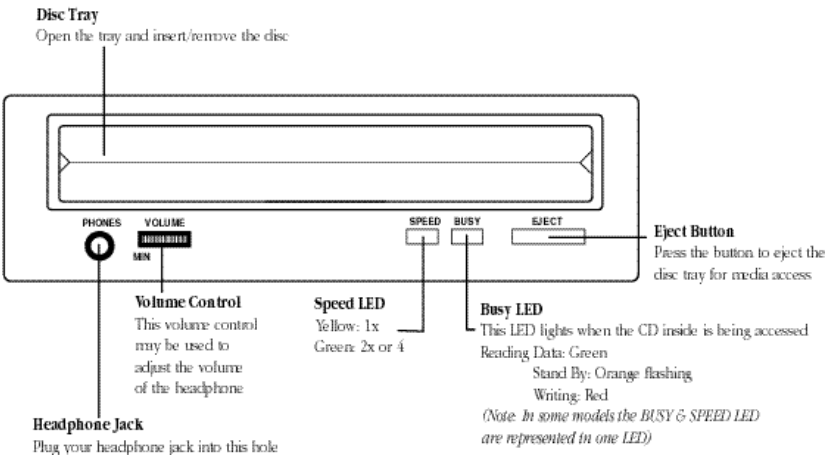
Getting Plugged In

Now that you know you have everything you need, you're ready to install your Que! Drive hardware and software. This chapter will show you how to procced with the installation.

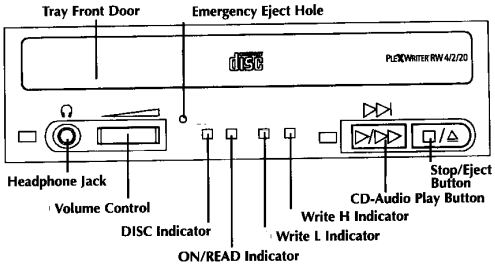


Depending on the Drive you purchased the figures below show the front panel controls and indicators for Que! Drive.

Typical Front Panel 1 External Drive



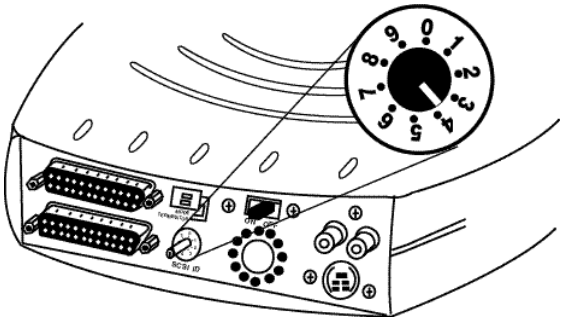
Typical Front Panel 2 External Drive



- Tray Front Door: Attached to tray drawer.
- Headphone Jack: Stereo mini-jack for headphones and powered speakers.
- Volume Control: Controls volume of headphone jack. This control has no effect on the rear panel audio outputs.
- DISC Indicator: Green when disc is in the drive and power is ON.
- ON/READ Indicator: Green when power is ON and no disc is in drive. Green flashing when disc is being accessed.
- For VS-CD-R II users: the Write L Indicator is orange when recording CD-R discs at 1X and 2X speeds.
- For VS-CD-R II users: the Write H Indicator is orange when recording CD-R discs at 4X speeds. Also on (simultaneously with write L Indicator) when recording CD-RW discs at 2 X speed.
- For VS-CD-R II users: the CD-Audio Play Button is used top play an audio CD in your drive. push once to put drive in CD-Audio play mode. Push the button once during CD play mode to skip tracks. Push and hold down play button more than one second to fast forward.
- Stop/Eject Button: Push to eject tray. During CD-DA play mode, playback is stopped when pressed once, and the disc ejects when pressed twice.
- Emergency Eject Hole: Insert emergency eject stick, paper clip, or other thin, rigid object to eject tray if automatic eject button does not work.(for Mac users, from the desktop throw disc in trash) Turn OFF power before using this feature.

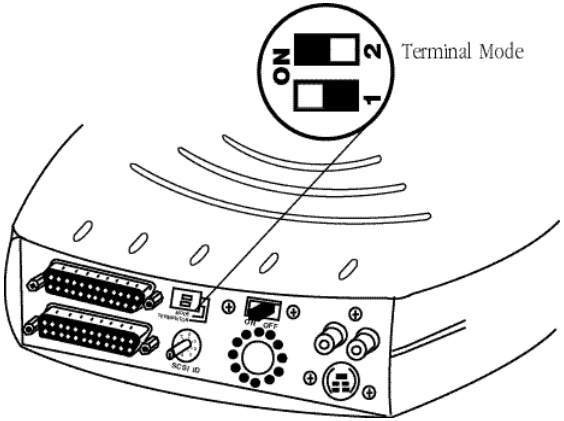
Setting the SCSI ID

First, you need to make sure the Que! Drive can communicate with your computer properly. The device uses SCSI addressing to identify itself to the computer. The Que! Drive`s default SCSI ID is 3. If another device on the SCSI bus is already using this ID, you can change the SCSI address by using the SCSI ID Rotary Dial on the back of the drive. The settings are shown below.



SCSI Bus Termination

If the QPS Drive is the only SCSI device attached to your computer, or if it's the last device in the SCSI chain, you need to insure that the terminate switch is switched ON. If this device is connected to the middle of a SCSI chain then you need to turn the terminator switch OFF.



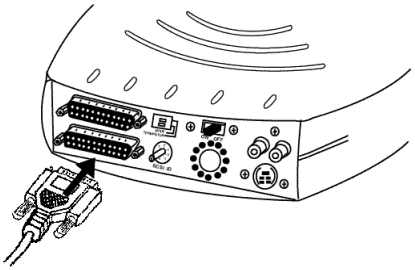
Getting It all Set Up

Step 1. PCs with a SCSI adapter card: Attach the cable to the connector on the SCSI adapter card. (Refer to the SCSI card documentation.)

Mac Computers: For the Macintosh System with the SCSI interface built in.

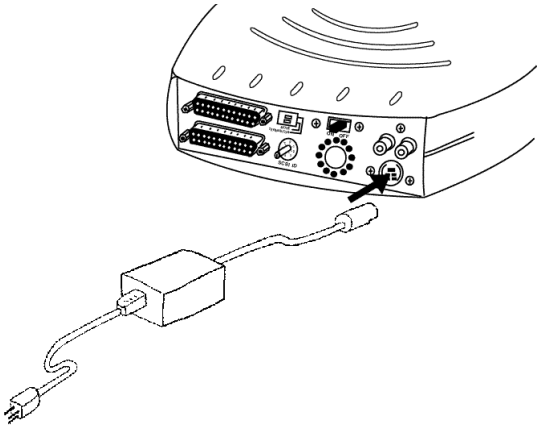
Attach the cable to the SCSI connector on the back of the computer (Refer to your Mac user manual) or install a SCSI Controller Card if you have a new G3.

Step 2. Attach the other end of the SCSI interface cable to either of the two ports on the back of the Que! Drive and secure with the cable with the screw fastener.



Step 3. To play audio CDs, attach an audio cable (optional; this cable is not included).

Step 4. Attach the power adapter to the back of the Que! Drive. Plug one end of power cable to the back of the power adapter and the other end to the grounded power outlet.

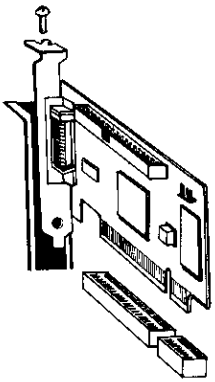


Optional SCSI Card Installation

The next section will take you step by step through the installation of the optional SCSI Card into your PC or Apple Desktop Computer with an available PCI expansion slot.

(The following steps should be used in conjunction with your computer's user manual)

Installing the SCSI Card



Step 1. Turn the computer power OFF.

Step 2. Remove the computer's chassis cover to access the PCI expansion slot and expansion slot covers.

Step 3. Identify an unused PCI expansion slot.

Step 4. Remove the cover from the selected expansion slot.

Step 5. Align the bus connector on the bottom of the SCSI adapter with the available slot. Carefully insert the card into the slot. Attach the SCSI card bracket to the chassis with the expansion slot cover screw.

Step 6. Follow the instructions in your Computer documentation and replace the chassis cover.

Step 7. Make sure all power switches are powered OFF, then you reconnect the power cables to your computer.

Installing the Drivers

For Windows 95 and 98

- Upon start-up, Windows will automatically detect the new hardware and install the proper driver for the SCSI card.

For Mac OS

Step 1. Power up your Mac.

Step 2. Insert the Adaptec driver CD provided with the SCSI card into the CD-ROM Drive.

Step 3. Double click on the Adaptec CD-ROM icon.

Step 4. Double click the Adaptec AVA installer icon and follow the instructions.

And Now for the Software

In this section, we'll explain how to install the recording software packages that came with your Que! CD-R or CD-RW Drive.

PC User

Step 1 Install the Easy CD-Creator software

- Insert the Adaptec Software CD into the CD-ROM Drive.
- Double click on the "My Computer" icon.
- Double click on the Adaptec CD software icon.
- Open the Easy CD Creator folder.
- Select the preferred Language folder.
- Double click on the Setup file.
- Then follow the software instructions.

Step 2 Install the Direct CD software

- Insert the Adaptec Software CD into the CD-ROM drive.
- Double click on the "My Computer" icon.
- Open the Direct CD folder.
- Double click on the Setup icon.
- Then follow the Software instructions.

Mac User

Step 1 Install the Adaptec Toast program

- Insert the Adaptec Software CD into the CD-ROM drive.
- Double click on the Toast CD-ROM icon.
- Select the preferred Language folder.
- Select Install.
- Then follow the software instructions.

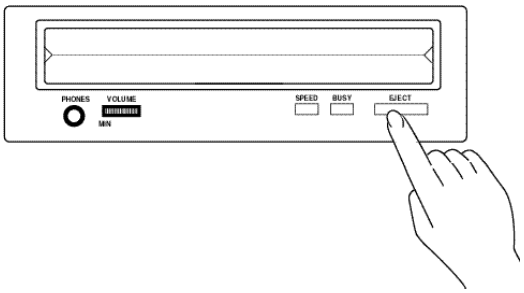
Step 2 Install the Direct CD software

- Insert the Adaptec Software CD into the CD-ROM drive.
- Double click on the Direct CD icon.
- Then follow the software instructions.

Chapter Four

Media Insertion and Removal Guidelines

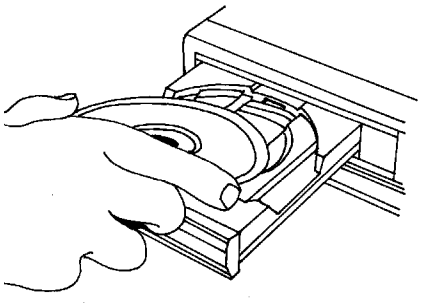
1. To insert the CD-ROM or CD-R disc, press the EJECT button.



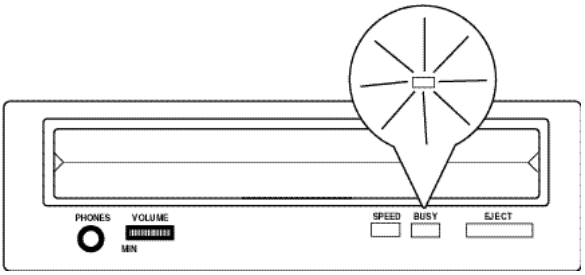
2. Once the disc tray has fully extended, place the CD-ROM or CD-R disc into the center of the tray.

NOTE: The disc surface must be clean and the label should be facing upward.

3. Press the eject button to have the CD-R/RW drive accept the CD.



4. The busy lamp will light for a few seconds to indicate that a disc has been loaded and the SPEED LED will stay lit if the CD-R drive has accepted the disc.



5. To eject and insert the disc, press the EJECT button; Mac users eject the disc by throwing it into the trash.

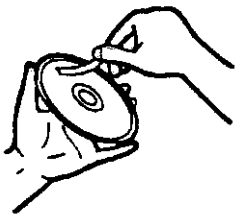
NOTE: Some software prohibits the use of the EJECT button, so a disc cannot be ejected in this way. Please refer to the instructions supplied with the software.

6. Once it has been ejected, remove the disc by hand and return it to its jewel case.

NOTE: The disc can not be ejected while the drive is reading or writing a disc.

Handling

The NUMBER ONE cause of premature disc failure with recordable CDs is contamination of the recording surface before recording is completed. To minimize disc failure, use the following disc-handling guidelines.



- Keep the media in its sealed package until you are ready to record.
- Keep the disc as clean and dust-free as possible. DO NOT touch the recording surface, and do not expose the disc to dust or dirt.

- DO NOT BLOW ON THE DISC to remove dust or dirt. To remove dust from the recording surface use a camera lens bulb or a lint free cloth or use compressed air. Wipe the disc from the center to the outer edge. NEVER wipe the disc in a circular motion.
- Always record in a dust-free environment. If the disc is to be removed from the CD-R drive, store the disc in a clean, dust-free environment.

- Never bend or flex the disc. This may warp the disc and leave it unusable.
- Never scratch off the reflective top surface of a CD-R disc. Without the reflective surface the disc is completely unusable.

- If you must write on the CD-R disc surfaced, read the back of the CD-R jewel case for instructions.

Notes!

Chapter Five

Troubleshooting Guideline and Performance Tips

Having trouble with your Que! Drive. Want to know more about how it works? Check the list of common questions provided in this chapter; you may find the answers you need. If you don't, or if a problem persists, contact QPS Technical Support.

Calling QPS for Assistance

If you need to get in touch with the QPS Technical Support Department, please have the following information on hand when you call:

- Your name, address, and phone number (so we can register you) or your customer ID if you have called before.
- Your operating system: Windows 95, NT, or Mac OS.
- Your CPU.
- How much RAM is available on your system?
- Which QPS product you have, and the serial number?
- For more information go to our website at http://www.qps-inc.com. or call us at (714) 692-3588

Questions

Problem 1: Some or all of the SCSI devices are inaccessible or SCSI host adapter failed initialization.

Reason 1: SCSI host adapter installation is not correct.

Step 1. Try to power off your PC, wait about 1 minute, and then power it back on (COLD BOOT).

Step 2. If it still fails, refer to Problem1 above for trouble shooting the SCSI host adapter.

Problem 2: Your system hangs during the boot sequence after installing the SCSI host adapter.

Reason 1: SCSI host adapter may not be installed firmly in the bus slot.

Step 1. Turn off the power to your computer and all peripherals.

Step 2. Remove the cover off of your computer.

Step 3. Remove and reinstall the SCSI host adapter into the bus slot and then power on your system.

Step 4. Check the SCSI cable connection.

Reason 3: Conflict between motherboard, adapters, and SCSI host adapter settings.

Step 1. Turn off the power to your PC and all peripherals.

Step 2. Remove the cover off your PC and then the SCSI host adapter.

Step 3. Power on your PC and when you get to the DOS prompt, run Microsoft Diagnostics (MSD.EXE for DOS V6.0 or higher or other equivalent program). Check to see what IRQ and Port Addresses are being used. Change any conflicting setting(s) for the SCSI host adapter.

Step 4. Reinstall the SCSI host adapter and power on your PC.

Problem 1: PC hangs during boot sequence after attaching SCSI peripherals to SCSI host adapter.

Reason 1: A SCSI ID conflict exists between the SCSI host adapter and one or more peripherals. Every SCSI device must have its own unique SCSI ID (0~7). By default, most SCSI host adapters are set to SCSI ID #7 and bootable SCSI hard disk controlled by the adapter's BIOS are set to SCSI ID #0 & #1.

Step 1. Turn off the power to your PC and all peripherals.

Step 2. Check the SCSI ID settings for all devices.

Step 3. If any SCSI ID conflicts exist, change the SCSI ID of the conflicting device(s) by referring to the device's manual for instructions. See page 11 for the SCSI ID selection dial on your QPS CD-R or CD-RW drive.

Step 4. Power on all peripherals first and then your PC.

Step 5. If you still have problems, power down all peripherals and your system, disconnect all your peripherals from the host adapter and begin attaching one peripheral at a time. Boot up your system and add your SCSI devices one at a time until you find the source of the conflict. on all peripheral first and then your PC. By process of elimination, you can find the peripheral which is causing the problem.

Reason 2 A lack of SCSI termination will disrupt SCSI bus integrity. The first and last devices on the SCSI bus should be terminated. Termination is used so that signals and data can be transmitted successfully to and from all devices on the SCSI bus. By default, most SCSI host adapters are already terminated. Active terminators also recommended over passive terminators.

Step 1: Turn off the power to your PC and all peripherals.

Step 2: Verify that only the first and last devices are properly terminated with terminator switches or by external terminators.

Step 3: If you are not sure about a device being terminated, refer to the device's manual for details.

Step 4: Power on all peripherals first and then your PC.

Step 5: If you still have problems, power off all peripherals and the PC, disconnect all peripherals from the host adapter and begin attaching one peripheral at a time. Power on all peripherals first and then your PC. By process of elimination, you can find the peripheral which is causing the problem.

Reason 3 Exceeding the maximum SCSI bus length. It is recommended that the overall maximum SCSI bus length (sum of internal & external cable lengths) should not exceed 6 meter (19.7 feet).

Step 1: Turn off the power to your PC and all peripherals.

Step 2: Verify that the overall SCSI bus length does not exceed 6 meters (19.7 feet). If it does, remove some SCSI peripherals so that less cable is used or replace longer SCSI cables with shorter length cables.

Step 3: Power on all peripherals first and then your PC.

Reason 4 Bad SCSI cabling. It is recommended that you always use high-quality “premium” SCSI cables to eliminate data corruption, parity errors and other problems. “Premium” can be defined as double-shielded, layered twisted pair with 25 wire pairs, single-ended impedance of 80-110 ohms, and molded.

Step 1: Turn off the power to your PC and all peripherals.

Step 2: If possible, verify that all SCSI external cables are “premium” and remove all non-premium external SCSI cables.

Step 3: If you are unsure of the quality of the cables you are using, disconnect all cables and peripherals from your system. Use the supplied cable to attach the CD-R Drive and power on all peripherals and then your PC.

Step 4: If everything boots up fine, power off the PC and all peripherals, and begin attaching another cable and peripheral to your system.

Step 5: Repeat Step 4 until you have a problem. When a problem exists, try using a different SCSI cable and repeat Steps 4 and 5 until you can rule out all possible bad cables by the process of elimination.

Problem 4: PC boots successfully and SCSI host adapter installation is successful, but no SCSI devices are recognized.

Reason 1 Improper connections.

Step 1: Check to make sure that all devices are powered on.

Step 2: Check to make sure that all devices are properly connected to the SCSI cable and the SCSI cable is properly attached to the SCSI host adapter.

Step 3: Check for SCSI bus integrity (Problem 3).

Appendix A

Glossary of Terms

Adapter Cards

Adapter cards (a.k.a, controller cards, expansion cards, interface cards, etc.) plug into slots of the computer's main data bus, or bus extensions such as Local Bus. They 'adapt' the flow of data and instructions between the CPU and the device (peripheral).

Bootable CD

A bootable CD is one that the PC can boot from.

Bus

In computers, a bus is the main or continuous channel of electrical connection between the CPU, the system memory (RAM), and the peripheral devices.

CD

The Compact Disc was first implemented commercially for storing digital audio (CD Digital Audio). The CD is made up of a polycarbonate substrate, a thin reflective metallic layer (the mirror-like aluminum), and a lacquer coating. The encoded data track is a spiral, with the pits making a central band.

CD-Digital Audio

CD-Digital Audio was implemented to hold about 74 minutes of audio data, in up to 99 tracks (songs) at a sampling rate of 44.1 KHz and a sample size of 16 bits, to produce high quality stereo sound.

CD-Recordable

CD-Recordable technology allows production of CD-ROMs on the desktop ('one-offs'). It requires a CD-R recorder, appropriate software, a computer, and appropriate media. CD-Recordable involves a special CID, the 'one-off' blank, very different from the mass reproduced or 'hot-pressed' CDs. It is sold pregrooved, in 63 or 74 minute capacities, and it involves a layered structure-with a sensitive chemical recording layer, almost always with a gold reflective layer, and ready for a CD- Recordable drive. Once recorded, the CD-Recordable discs (one-offs) perform in the same way as the mass-reproduced CDs.

CD-ROM

The Compact Disc-Read Only Memory is the standard 12cm CD formatted according to the ISO 9660 standard. Although the physical characteristics and track structure of a CD-ROM are the same as that of CD-Audio, a CD-ROM is used to store computer data (text, graphics). It also has additional error detection and correction.

CD-ROM Drives

The original drives had a transfer rate of 150 KBytes/second, but recent drives offer double, quadruple and even higher transfer rates-and are known as 2X, 4X, 32X and so on.

CD-ROM XA

CD-ROM Extended Architecture, is used for data, graphics, video, and compressed audio, in an interleaved scheme (CD-I structure)-making it possible to read and display jointly text, graphics and audio files of various sample sizes, up to 20 hours of 4-bit mono aural sound. Kodak's Photo CD for example, uses XA tracks.

Driver

In computers, drivers refers to a device driver, which is software that, under CPU control, implements device I/O functions or other functionality (video, sharing, graphics, printer, mouse, etc.).

DVD

Digital Versatile Disc is another 12 CM optical disc that is used for movies, data storage and soon music. DVD specifications include a double-layer single-sided CD with a capacity of 4.7GB, with sufficient playing time for a full-length movie that is encoded in MPEG-2.

Format

In the computer arena, there are physical and logical formats for storage devices. Magnetic storage devices implement a physical structure (MFM, RLE, etc.). The first standard logical format for Compact Discs is defined by the ISO 9660, which specifies the volume, file and block structure.

ISO

The International Standards Organization, composed of scores of international specialized committees, with main Secretariats worldwide, is the accepted source of standards for electronic and computerized data communications and information processing.

ISO 9660

Issued by the International Standards Organization, its formal title is ISO 9660: Information Processing-Volume and File Structure of CD-ROM for Information Exchange (1988). This multiplatform logical structure has been the key standard for the growth and worldwide acceptance of CD-ROM as a publishing and information distribution media and, since then, as the basic format structure for other implementations of CD-ROM in the computer arena.

Notes!

Appendix B

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Only equipment certified to comply with Class B (computer input/output devices, terminals, printers, etc.) should be attached to this equipment, and must have interface cables.

Any changes or modifications to this equipment by the user not expressly approved by the grantee or manufacturer could result in violation of Part 15 of the FCC rules and void the user's authority to operate such equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesirable operation.

Notes

Appendix C

Limited Warranty

QPS Inc. warrants its product (“Product”) from the date of purchase from QPS (or an authorized QPS agent) against defects in materials and workmanship for a period of 12 months.

This limited warranty extends only to the original purchaser (“Consumer”) of the Product and is not transferable (or assignable) to any subsequent purchaser (or end user).

This (limited) warranty does not cover any incompatibilities due to the user’s computer, hardware, software or any other related system configuration with which the QPS Product interfaces.

Proof of purchase will be required before any warranty consideration by QPS

During the limited warranty period, QPS will repair, or replace, at QPS’s option any defective parts, or any parts that will not properly operate for its intended use with new or factory rebuilt replacement items. No charge will be made to the Consumer for any such parts. QPS will also pay for the labor charges incurred by QPS in repairing or replacing the defective parts. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

The Consumer shall bear the cost of shipping the Product to QPS. QPS shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.

This limited warranty does not cover any damage caused by negligence, non-authorized modifications or parts installed without prior written permission from QPS.

This limited warranty does not apply if the Product has been damaged by accident, abuse, misuse or misapplication or other acts which are not the fault of QPS or by non-QPS’ authorized alterations, modifications and/or repairs.

This limited warranty does not apply if the Product has been damaged by accident, abuse, misuse or misapplication or other acts which are not the fault of QPS or by non-QPS' authorized alterations, modifications and/or repairs.

If the Product is returned to the Customer Service Department at QPS during the limited warranty period, but the problem with the Product cannot be fixed under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to the Customer Service Department at QPS after the expiration of the warranty period, QPS' normal service policies shall apply and the Consumer will be invoiced for all shipping charges.

QPS SHALL NOT BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT. THIS INCLUDES DAMAGES TO PROPERTY AND TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitation of implied warranties, or exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you (the Consumer). This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state. This limited warranty applies only to this product and is governed by the laws of the State of California.

QPS neither assumes nor authorizes any authorized service center or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.

Questions concerning this limited warranty may be directed to the Customer Service Department at QPS, (714) 692 3588